

**IN THE CLAIMS:**

Claims 1-2 are pending in this application. Please amend claim 1, as follows:

1. (Currently Amended) An electrophoresis apparatus comprising:
  - a plurality of capillaries;
  - a voltage applier applying voltage between both ends of the capillaries;
  - a laser light source irradiating a laser; and
  - a fluorescent detector detecting a fluorescence emitted from inside of the capillaries,

wherein each of the plurality of capillaries comprising comprises a first region ~~where it is~~ coated with a polymer, a second region ~~where~~ having a surface of the capillary ~~being~~ exposed for a predetermined length in the longitudinal direction, and a third region ~~provided~~ defined between the first and second regions[[,] and covered with a tapered polymer coating ~~whose~~ with a thickness that becomes thinner from the first region to the second region, and

wherein a slope of the surface of the coating of the third region makes an angle of 70 degrees [[of]] or less with from the first region to the second region relative to the longitudinal direction of the capillary.
2. (Original) An electrophoresis apparatus according to claim 1, wherein a material of the tapered polymer coating is polyimide.
3. (Canceled).